

IN THE UNITED STATES PATENT AND TRADEMARK

Box New Patent Application  
Commissioner for Patents  
Washington, D.C. 20231

Attorney's Docket No.: 18973-73  
(P01-3800US)

JC996 U.S. PTO  
10/004718  
12/03/01

FILING TRANSMITTAL

Transmitted herewith for filing is the Patent Application of :

Lawrence Sivert Brakmo and Deborah Anne Wallach

For: "POWER REDUCTION IN COMPUTING DEVICES USING MICRO-SLEEP  
INTERVALS"

ENCLOSURES

- ☒ 18 page application including specification, claims and abstract;
  - ☒ 02 sheets (Figs. 1 - 2) of ☒ informal/☐ formal drawings;
  - ☒ A Declaration (☒ signed/☐ unsigned);
  - ☒ A postcard for return to us as proof of receipt of the referenced documents.
- and
- ☒ An Assignment of the invention with an assignment cover sheet;
  - ☐ Applicant claims small entity status (Under 37 CFR 1.27);
  - ☒ IDS (form PTO-1449) and copies of references;
  - ☒ A Power of Attorney by Assignee, Certificate Under 37 C.F.R. 3.73 and copy of Assignment; and
  - ☒ Other. Cover Page and Check No. 127088 in the amount of \$960.00.

TYPE OF FILING

- ☐ This application claims the benefit of an earlier filed U.S. Patent Application (35 USC 120).
- ☐ This application claims the benefit of the priority date of an earlier filed provisional patent application (35 USC 119).
- ☐ This is an application filed pursuant to 37 CFR 1.53, permitting receipt of a filing date upon filing of specification, claims and drawings, if required, with applicant being given a period of one month from the date of notice to file the fee and oath or declaration.
- ☒ In the event any parts of this application are missing, please treat this as a filing under 37 CFR 1.53 as defined just above.

CERTIFICATE OF MAILING (37 CFR 1.10(A))

CERTIFICATE OF MAILING BY "EXPRESS MAIL" - Rule 10: I hereby certify that this correspondence is being deposited with the U. S. Postal Service "Express Mail Post Office to Addressee" under 37 CFR 1.10 as Express Mail No. EL655034243US addressed to Box New Patent Application, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202 on December 3, 2001 by Sharyl Brown

Date: December 3, 2001

*Sharyl Brown*  
Sharyl Brown

## FEE CALCULATION

The filing fee has been calculated as shown below:

				SMALL ENTITY	OR	OTHER THAN A SMALL ENTITY	
BASIC FEE Design Patent				\$165	\$	\$330	\$
BASIC FEE Utility Patent				\$370	\$	\$740	\$740
EXTRA FEES				RATE	FEE	RATE	FEE
Total claims	30	minus 20 =	10	x9 =	\$0	x18 =	\$180
Independent Claims	2	minus 3 =	0	x42 =	\$0	x84 =	\$
<input type="checkbox"/> Multiple Dep. Claim				+140 =	\$	+280 =	\$
<input checked="" type="checkbox"/> Assignment				+40 =	\$	+40 =	\$ 40
<input type="checkbox"/> Rule 53 Surcharge				+65 =	\$	+130 =	\$
<b>TOTAL</b>					\$		\$960

## FEE PAYMENT

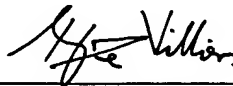
- ☒ Attached is Check No. 127088 in the sum of \$960.00 to cover the filing fee.  
☐ Please charge Account No. 02-3964 the sum of \$\_\_\_\_\_

## FEE DEFICIENCY

- ☐ Please charge Account No. 02-3964 in the sum of \$\_\_\_\_\_
- ☒ The Commissioner is authorized to charge (or credit any overpayment) to deposit account No. 02-3964:
- ☒ Any additional filing fees required under 37 CFR 1.16, except Rule 53 filings, which will be paid within the time permitted by PTOL 1533.
- ☐ Assignment Recordal fees.
- ☒ The filing fee and surcharge under 37 CFR 1.16, patent application processing fees under 37 CFR 1.17 and patent issue fees under 37 CFR 1.18 are intended to be paid by our firm as they arise. As no abandonment is intended by any inadvertent nonpayment of fees, the Commissioner is hereby authorized to charge payment of such fees as from time to time come due, if not paid prior to due date to our Deposit Account No. 02-3964.
- ☒ A duplicate copy of this sheet is enclosed.

Dated: December 3, 2001

Respectfully submitted,



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PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: BRAKMO, et al.

Docket No: 18973-73 (P01-3800US)

Serial No: Not Assigned

Group Art Unit Unknown

Filed: Herewith

Examiner: Unknown

For: "POWER REDUCTION IN COMPUTING DEVICES USING MICRO-SLEEP INTERVALS"

Box New Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

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INFORMATION DISCLOSURE STATEMENT

Applicants submit herewith the references listed on the attached form PTO-1449 of which Applicants are aware which are believed to be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR 1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 CFR 1.97(g)), nor as an admission that the information cited is, or is considered to be, material to patent ability, nor an admission that no other material information exists.

The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Respectfully submitted,

P. Francois de Villiers  
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DATE: December 3, 2001

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CERTIFICATE OF MAILING (37CFR 1.8 (a))

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Date: December 3, 2001

  
Sharyl Brown

<b>Form 1449 (Modified)</b>  <b>Information Disclosure Statement By Applicant</b>  (Use Several Sheets if Necessary)	Docket No. 18973-73 (P01-3800US)	Appln. No.: Unassigned
	Applicant: BRAKMO et al.	
	Filing Date: Herewith	Group: Unknown

10/004718



### U.S. Patent Documents

Examiner Initial	No.	Patent No.	Date	Patentee	Class	Sub-class	Filing Date
	A	6,192,479	2/20/01	Ko			
	B	6,158,012	12/5/00	Watts, Jr.			
	C	6,118,306	9/12/00	Orton et al.			
	D	5,983,355	11/9/99	Kenny et al.			
	E	5,754,869	5/19/98	Holzhammer et al.			
	F	5,623,677	4/22/97	Townsley et al.			
	G	5,239,652	8/24/93	Seibert et al.			
	H						
	I						
	J						
	K						

### Foreign Patent or Published Foreign Patent Application

Examiner Initial	No.	Document No.	Publication Date	Country or Patent Office	Class	Sub-class	Translation	
							Yes	No
	L							
	M							
	N							
	O							
	P							

### Other Documents

Examiner Initial	No.	Author, Title, Date, Place (e.g. Journal) of Publication
	R	Viredaz, et al. "Power Evaluation of a Handheld Computer: A Case Study", WRL Research Report 2001/1, Compaq Western Research Laboratory, May 2001.
	S	Kamijoh, et al. "Energy trade-offs in the IBM Wristwatch computer", IEEE, 2001, pp. 133-140.
	T	Bartlett et al., "The Itsy Pocket Computer", WRL Search Report 2000/6, Compaq Western Research Laboratory, October 2000.
Examiner		Date Considered

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.